

determination using an 'artificial ornithologist' camera system – a Bayesian approach Automatic bird detection and species

Art2Cam





Next generation biodiversity monitoring that enables industry and nature to coexist



Camera and Al







Pilot project Art2Cam

 Gather the knowledge that professional ornithologists possess as a basis for the development of an 'artificial ornithologist' camera system to reduce the conflict between offshore wind power and bird life

bird 0.97

 Gather knowledge from ornithologists in a survey and systematize the answers from the survey in a Bayesian Belief Network model

bird 0.88

Use the Bayesian Belief Network model to identify different bird species using a second camera and contextual data



600 brid



Pilot project Art2Cam

- Workshop with proffessional ornithologists to identify species determination factors
- Questionnaire sent out to ornithologists to survey the relative importance of factors
- Calculate relative importances, and construct a Bayesian Belief Network to assess interdependencies

Hvem var ornitologene?



Relative importance of factors



Relative importance of factors



Hvordan henger disse sammen?



Hvordan henger disse sammen?



Cooperation and expertise for a sustainable future



Foto. A. Staverløkk